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Serial No. 09/812,937

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Art Unit: 2665

**AMENDMENTS TO THE CLAIMS:**

This listing of claims will replace all prior versions, and listings, of claims in the application:

1. (Cancelled)
2. (Cancelled)
3. (Cancelled)
4. (Cancelled)
5. (Cancelled)
6. (Cancelled)
7. (Cancelled)
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16. (Cancelled)
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18. (Cancelled)
19. (Cancelled)
20. (Cancelled)
21. (Cancelled)
22. (Cancelled)
23. (Cancelled)

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- 24. (Cancelled)
- 25. (Cancelled)
- 26. (Cancelled)
- 27. (Cancelled)
- 28. (Cancelled)
- 29. (Cancelled)
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- 41. (Cancelled)
- 42. (Cancelled)
- 43. (Cancelled)
- 44. (Cancelled)
- 45. (Cancelled)
- 46. (Cancelled)
- 47. (Cancelled)

48. (Currently Amended) For use in a Radio Access Network of a telecommunications system, a method comprising deriving control parameters for controlling an in-and-out-of-synchronization detection algorithm for a radio link set from

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corresponding cell based parameters, the radio link set being a set of radio links which are combined in a softer handover operation performed at a base station of the Radio Access Network;

wherein the control parameters for controlling the in-and-out-of-synchronization detection algorithm for the radio link set are derived from the corresponding cell based parameters of the cells of the individual Radio Links of the radio link set; and,

~~A method according to claim 47, wherein the control parameters are derived by taking the largest value of the corresponding cell based parameters.~~

49. (Previously Presented) For use in a Radio Access Network of a telecommunications system, a method comprising deriving control parameters for controlling an in-and-out-of-synchronization detection algorithm for a radio link set from corresponding cell based parameters, the radio link set being a set of radio links which are combined in a softer handover operation performed at a base station of the Radio Access Network;

wherein the control parameters for controlling the in-and-out-of-synchronization detection algorithm for the radio link set are derived from the corresponding cell based parameters of the cells of the individual Radio Links of the radio link set; and,

~~A method according to claim 47, wherein the control parameters are derived by taking the lowest value of the corresponding cell based parameters.~~

50. (Previously Presented) For use in a Radio Access Network of a telecommunications system, a method comprising deriving control parameters for controlling an in-and-out-of-synchronization detection algorithm for a radio link set from corresponding cell based parameters, the radio link set being a set of radio links which are combined in a softer handover operation performed at a base station of the Radio Access Network;

wherein the control parameters for controlling the in-and-out-of-synchronization detection algorithm for the radio link set are derived from the corresponding cell based parameters of the cells of the individual Radio Links of the radio link set; and,

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~~A method according to claim 47, wherein the control parameters are derived by taking a weighed or non-weighed average value of the corresponding cell based parameters.~~

- 51. (Cancelled)
- 52. (Cancelled)
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- 58. (Cancelled)
- 59. (Cancelled)
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- 63. (Cancelled)
- 64. (Cancelled)
- 65. (Cancelled)
- 66. (Cancelled)
- 67. (Cancelled)
- 68. (Cancelled)

69. (Currently Amended) A radio access network of a telecommunications system comprising:

an in-and-out of synchronization detector which judges reception quality of a connection with a mobile user equipment unit;

a control parameter determination function which determines control parameters to be utilized by the in-and-out of synchronization detector, the control parameter determination function determining the control parameters for a radio link set from corresponding cell based parameters, the radio link set being a set of radio links which

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are combined in a softer handover operation performed at a base station of the Radio Access Network;

wherein the control parameter determination function derives the control parameters for controlling the in-and-out-of-synchronization detector for the radio link set from the corresponding cell based parameters of the cells of the individual Radio Links of the radio link set; and,

An apparatus according to claim 68, wherein the control parameters are derived by taking the largest value of the corresponding cell based parameters.

70. (Currently Amended) A radio access network of a telecommunications system comprising:

an in-and-out of synchronization detector which judges reception quality of a connection with a mobile user equipment unit;

a control parameter determination function which determines control parameters to be utilized by the in-and-out of synchronization detector, the control parameter determination function determining the control parameters for a radio link set from corresponding cell based parameters, the radio link set being a set of radio links which are combined in a softer handover operation performed at a base station of the Radio Access Network;

wherein the control parameter determination function derives the control parameters for controlling the in-and-out-of-synchronization detector for the radio link set from the corresponding cell based parameters of the cells of the individual Radio Links of the radio link set; and,

An apparatus according to claim 68, wherein the control parameters are derived by taking the lowest value of the corresponding cell based parameters.

71. (Currently Amended) A radio access network of a telecommunications system comprising:

an in-and-out of synchronization detector which judges reception quality of a connection with a mobile user equipment unit;

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a control parameter determination function which determines control parameters to be utilized by the in-and-out of synchronization detector, the control parameter determination function determining the control parameters for a radio link set from corresponding cell based parameters, the radio link set being a set of radio links which are combined in a softer handover operation performed at a base station of the Radio Access Network;

wherein the control parameter determination function derives the control parameters for controlling the in-and-out-of-synchronization detector for the radio link set from the corresponding cell based parameters of the cells of the individual Radio Links of the radio link set; and

An apparatus according to claim 68, wherein the control parameters are derived by taking a weighed or non-weighed average value of the corresponding cell based parameters.

72. (Cancelled)

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89. (Cancelled)

90. (Cancelled)